

**STARTING PROCEDURES  
RADIO TELETYPEWRITER  
SET AN/GRC-142  
(A AND B MODELS)**

**MOS 31C**

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STEP	UNIT	CONTROL OR SWITCH POSITION
1	SHELTER	Air inlet cover; open and latched (optional).
2	TRUCK	Exhaust pipe hose: installed, if applicable.
3	SB 3358  (POWER DISTRIBUTION PANEL)	DC Main Push-On-Pull-Off circuit breaker: Pull-Off AC Main circuit breaker: OFF. INVERTERS OWR circuit breaker: OFF. INVERTERS DX, circuit breaker: OFF. PWR SUP circuit breaker: OFF. BLO and LIGHTS circuit breaker: OFF. BLOWER HIGH-OFF-LOW switch: OFF.
4	POWER SUPPLY	ON-OFF switch: OFF.
5	TELEPHONE	Handset: seated in cradle.
6	AC HEATER	HEAT-OFF-ON switch: OFF.
7	TT-98 TELETYPEWRITER	MOTOR switch: OFF. LIGHT switch: OFF. LINE BREAK switch: LINE SEND LOCK switch: SEND.
8	SA-1650 (SWITCH ASSEMBLY)	TT-98 DX-RECEIVER PONY BLACK-RED switch: BLACK. TT-98 OWR DX-SEND "BLACK-RED switch: BLACK. LOCAL-REMOTE switch: LOCAL LOCKOUT-OVERRIDE switch: LOCKOUT. TAPE PUNCH TT-76 switch: OWR-DX-SEND.

STEP	UNIT	CONTROL OR SWITCH POSITION
9	MD-522 or MD-522A (MODEM)	RCV SEND switch: RCV. MODE SELECTOR switch: PWR OFF or PRIMARY POWER switch: OFF.
10	AM-3349 (AMPLIFIER)	HV RESET switch: OPERATE. PRIM PWR switch: OFF. Antenna connection: tight FLAGSSWITCH: covers So OHM LINE connector.
11	RT-662 or RT-834	SERVICE SELECTOR switch: OFF.
12	LOUDSPEAKER	VEHICLE-PACKSET switch: VEHICULAR SET USE.
13	LOCAL CONTROL	REMOTE switch: TEL ONLY.
14	TT-76 (REPERFORATOR)	MOTOR switch: OFF. LIGHT switch: OFF. POWER switch: OFF. SEND-LOCK switch: SEND. SELECTOR switch: position 1. START-STOP-FEED-RETRACT lever: feed FEED RETRACT.
15	LOW-LEVEL SWITCH	switch: TO SEND TR SEND/RCV.
16	STANDING WAVE RATIO POWER METER	FUNCTION switch: POWER.
17	FULL HEATER	CONTROL switch: OFF.
NOTE: If source of power is ac, perform steps 18 through 21 If source of power is dc, go to step 22.		

STEP	UNIT	CONTROL OR SWITCH POSITION
18	POWER/SIGNAL ENTRANCE BOX	AC power cable: connected TO AC INPUT connector,
19	AC POWER SOURCE	Circuit breakers: ON.
20	SB-3358	DC MAIN PUSH ON-PULL OFF circuit breaker: PULL OFF. POWER switch: AC, AC MAIN circuit breaker: ON MISTER indicated 115 VOLTS  plus or minus 10 percent. BLO and LIGHTS circuit breaker: ON. (Optional-BLACKOUT switch: pulled out one click when door is open). BLO Hi LO OFF switch: desired position. RECP circuit breaker: ON. PWR SUP circuit breaker: ON.
21	POWER SUPPLY	ON-OFF switch: ON.
	NOTE: If you are using ac power, go to step 26.	
22	POWER/SIGNAL ENTRANCE BOX	Dc -power cable: connected to DC INPUT connector.
23	DC GENERATOR SET	Circuit breakers: ON. (it using dc generator set.)
24	VEHICLE	Engine: started. Throttle adjusted: VEHICLE BATTERY CHARGING meter indicates in GREEN area of scale.

STEP	UNIT	CONTROL OR SWITCH POSITION
25	SB-3358 (POWER DISTRIBUTION PANEL)	POWER switch: DC. DC MAIN PUSH ON-PULL OFF circuit breaker: PUSH ON. BLO and LIGHTS circuit breaker: ON. (Optional-BLACKOUT switch: pulled out one click when door is open). METER Indicated 29 volts dc. BLO HI LO OFF switch: desired position. RECP circuit breaker: ON.
26	RT-662 or RT-834	SERVICE SELECTOR switch: OVEN ON. (allow 10-minute warm-up). VOX switch: PUSH-TO-TALK SQUELCH switch: OFF. NOISE BLANKER (early models only) switch: OFF. BFO control: midrange MANUAL RF GAIN control: fully clockwise. AUDIO GAIN control: fully counterclockwise. FREQUENCY VERNIER control: OFF.
27	AM-3349 (AMPLIFIER)	HV RESET switch: OPERATE. PRIM PWR switch: ON. TEST METER switch: PRIM VOLT.
	NOTE: If your RATT Set is equipped with Modem MD-552A, go to step 29.	
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